	Application No.	Applicant(s)	
Notice of Allowability	10/698,673	ITO ET AL.	
	Examiner	Art Unit	
	Rakesh K. Dhingra	1763	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to Applicant's remarks (dt. 6/27/06) submitted with the RCE.			
2.  The allowed claim(s) is/are <u>1,2,4-8,10 and 11</u> .			
3.			
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amenda 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment	

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## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Keith M. Tackett on 8/18/06.

The application has been amended as follows:

## In the Claims

Claim 1 has been amended as follows:

Claim 1. A waveguide of a microwave ion source, comprising:

an elongated waveguide main body of the microwave ion source, the elongated waveguide main body being made of a material selected from the group consisting of a boron nitride and an aluminum oxide; and

a thin film defining a microwave path made of a titanium nitride covering an outer peripheral surface of the waveguide main body, wherein the outer peripheral surface of the waveguide main body is bonded to the thin film.

## **REASONS FORE ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

Claim 1 – Prior art (US patent No. 6,184,624 – Inouchi in view of US PGPUB No.

2005/0063659 - Jansen) does not teach claim limitation "a thin film of titanium nitride

covering an outer peripheral surface of a microwave ion source waveguide".

Claim 1, 2, 4 -8, 10,11 allowed.

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Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Rakesh K. Dhingra whose telephone number is (571)-

272-5959. The examiner can normally be reached on 8:30 -6:00 (Monday - Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Parviz Hassanzadeh can be reached on (571)-272-1435. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rakesh Dhingra

Parviz Hassanzadeh

Supervisory Patent Examiner

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